



CROSSTALK

News Bulletin of the TRW Amateur Radio Club

Member, American Radio Relay League

SEPTEMBER 1984

** FD'71 ** FD'73 ** FD'75 ** FD'76 ** WAS ** WAC **

Garrett/W6TRW Repeater: 145.32/- .600(2A-PL) -- UHF: 442.000in/447.000out

CALENDAR FOR SEPTEMBER AND OCTOBER

| | | |
|----------|-------------------|--|
| Tuesday | Sep 25, noon | Club Meeting, R4/1041; Speaker will be Chip Margelli, K7JA, from Yaesu Electronics Corp; Topic will be new Yaesu Amateur equipment and his DXpedition to China!!!! |
| Saturday | Sep 29, 8-11am | Swapmeet |
| Tuesday | Oct 9, after work | Executive Board Meeting -- All members are welcome! |
| Saturday | Oct 27, 8-11am | Swapmeet |
| Tuesday | Oct 30, noon | Club Meeting, R4/1041; We are trying to get a speaker from Kenwood. |

AMS AND THE RADIO PECKING ORDER Richard Barrett, W6CFK

The Journal reported March 28 that "the Air Force is preparing to build two powerful radar installations on the East and West coasts, and it also proposes a third on the Gulf Coast. These installations, to be built by General Electric Co., will use so-called over-the-horizon radar systems, which bounce beams off the ionosphere and back down to earth."

Now there's an announcement to make the radio hams of the world break out in a cold sweat, imagining that the "Russian woodpecker" may be about to get a mate.

The Russian woodpecker is a Soviet over-the-horizon radar signal that chatters up and down the shortwave radio spectrum disregarding international agreements that go back to 1906 and were designed to avoid interference that threatened the safety of life on the sea and later in the air.

To the radio hams, as well as other users of the shortwave radio spectrum for international communications, the "woodpecker" sounds like a bird rapping on an old barn or perhaps a wood lath being pulled across a picket fence. More familiar forms of radar operate at microwave frequencies that penetrate the ionosphere and continue into space without following the earth's curvature, making them useless for long distance surveillance, hence the assignment of the Russian radar to the high frequency bands.

The woodpecker has been raising hob with amateur long distance reception at least as far back as 1978 when Harry J. Dannals, then president of the American Radio Relay League, the hams' national society, expressed concern over the Air Force building an American version of the woodpecker at Hanscom Air Force Base in Maine. The installation was to have 21 transmitters using frequency bands from 5 to 30 megahertz, a piece of the spectrum that now includes five bands assigned to the amateurs, as well as broadcasters, marine and commercial communications, with seven of the transmitters to be used at a time, running 100 kilowatts each.

Mr. Dannals wrote a letter to Sen. Barry Goldwater, a radio ham, who was assured by the Air Force that there would be "no significant signal transmitted . . . in the amateur radio frequency bands. . . The ERS transmitters have been built and tested to very stringent specifications that have virtually eliminated out-of-band radio frequency interference. . . the highest amplitude of any harmonic interference would be . . . less than 4 watts."

Four watts will travel great distances when conditions are right, but there seems to have been no great fuss over problems with the American experimental installation on which the new radars will be based.

The hams may properly wish that the Air Force would pass its blueprints along to the Russians. Their Siberian installation, which keeps a check on U. S. aircraft and ships, operates in total disregard of other users of the air despite international agreements. The problem has been acute in places like Alaska and Japan. The Japanese are responding by building a new \$2,000 ham transceiver, which is advertised as having a dual mode noise blanker ("pulse or woodpecker"). Recent reports of a new digital system for television that eliminates interference suggest that someday manufactureres will be building digital ham radio equipment that will tame the woodpecker.

In the meantime, the Russian attitude should be instructive to anyone who believes the Soviets have a commitment to observing international agreements that they find inconvenient. The paranoia that motivates them may not be directly life-threatening in this instance, but if the new Air Force radar lives up to its six-year-old promise to behave, the world will at least get another lesson in the comparative good and bad manners of the capitalists and the communists.

Mr. Barret, retired columnist for the San Jose Mercury News, is known on the ham radio bands as W6CFK. Thanks, The Wall Street Journal 4/10/84



Twenty nine members attended. President Walt Pearson called the meeting to order shortly after noon. Walt announced that the end of the year, and the end of the term of office for the Executive Board members is drawing near. With the retiring members and staff positions that will need filling there are a few openings and names of people to fill these openings are required. Membership Chairman Bill Dews has been appointed to head up a nomination team again for this year. Please let Bill know if you have someone in mind or if you would be available to fill one of the vacancies. Secretary John Keller accepted the minutes of the last meeting as printed in the Crosstalk and passed around examples of the Samco stick-ons for making QSL cards out of postcards. John also had copies of the latest roster of members sorted by last name and call sign suffix. Vice President Chris Wachs reported for the vacationing Treasurer that the club treasury is in very good shape. Activities Chairman Gary Komatsu reported that this year's Annual Dinner will be held at the Shangri-La Restaurant on Saturday, Nov 11 and will feature an 11 course gourmet Chinese dinner. President Walt Pearson then introduced the speaker, an old friend of his, Emmett Ingram, W6HIG. Emmett won the hearts of all of the members present by first praising the TRW/ARC Swapmeet as the best Amateur Radio Swapmeet anywhere. Emmett then enchanted the group with a mile-a-minute patter and anecdotes of his experiences with radio installations overseas, primarily in the Middle East. The presentation was concluded with a demonstration of Packet Radio by Emmett and Henry Schmidling, W6GRJA, the President of SCRAN. Henry was very active in setting up Packet communications for the TopSail'84 event as part of the Olympic celebration. Henry was able to demonstrate communications between two computers and the control of one computer by the other through the Packet radio link. All of the software was CP/M compatible. In all it was a very interesting and humorous presentation and an informative demonstration of Packet Radio capabilities. Door prizes included a screwdriver set, a multitester, a digital stopwatch, a soldering iron, a battery charger, and a vehicle alarm.

Executive Board Meeting 11 Sep 1984

John Keller, W6JLS

Attending were Jim Cox, Laura Cox, Bill Daley, Bill Dews, Connie Gilmore, Dave Gilmore, Bob Hume, Bill Ivey, John Keller, Gary Komatsu, Jim McWilliams, Walt Pearson, Don Resor Jr and Chris Wachs. President Walt Pearson presented a letter from the Associated Radio Amateurs of Long Beach, Inc. (ARALB) that invites our club to join ARALB in hosting the 1985 ARRL Southwestern Division Convention aboard the Queen Mary. Most members of the Executive Board and Staff were positive in their response to the invitation. Walt had called the ARALB Special Projects Chairman, Nate Brightman, K6OSC, and indicated that if we were to accept we would prefer to take on the responsibility for the prizes as that is what the club had done the last time this occurred. Nate indicated that another club was also interested in handling prizes so the job was still up in the air. It was pointed out that Paul Wise, Gary Komatsu and Dave Gilmore had experience from the last time and would be expected to help in some capacity this time. A meeting is being held on Monday, Sept. 17 and representing the club will be Walt Pearson, John Keller and Gary Komatsu or Paul Wise. Another item that is required is seed money, \$250, with a possible return of \$500. Bill Dews moved that \$250 be funded from the treasury, John Keller asked that the motion be amended to allow the members attending the Queen Mary meeting be allowed to decide to spend the money or not, and the amended motion was seconded by Bob Hume and after a short discussion was passed by the Board. Training Chairman Jim Cox stated that the ARRL

has been approved by the FCC as a VEC for the entire country. This now leaves up in the air the efforts of local groups that have been approved as VEC's also. Jim is to contact in the near future Advanced and Extra class license holders in the club that indicated an interest to help train Amateurs that want to upgrade. These Advanced and Extra class operators would then apply to become VE's. LAACARC Delegate Bill Daley stated that the Lockheed Employees Recreation Club ARC is making a special effort to make VE's available as often as possible for those Amateurs wishing to upgrade. The LERC ARC is looking for VE's and has set up a regular monthly schedule of testing. See details elsewhere in Crosstalk. Bill also stated that the ARRL is looking for Amateur Official Observers for the Southern California area. Please refer to the August QST on Pg 11 if you are interested. Activities Chairman Gary Komatsu stated that reservations have been finalized for the Annual Dinner to be held at The Shangri-La Restaurant, 21424 Hawthorne Blvd, Torrance, on Saturday Nov. 17, 1984. Dinner to be served promptly at 7:30pm and "Happy Hour" to start at 6:30. Reservations for members and one guest are \$8.50 and should be sent to Paul Herbert. Cost to additional guests and non-members has yet to be determined. Dinner will be an 11 course meal served family style. Gary stated that he has arranged for Erv Emig, W6GC, to speak on and show slides of the recent DXpedition to Tahiti. Vice-President Chris Wachs reported that the speaker for the next club meeting, Tues. Sept. 25, noon, R4/1041, will be Chip Margelli, K7JA, of Yaesu Electronics Corporation, Amateur Products Division. Mr. Margelli will speak on new Yaesu equipment and his DXpedition to Mainland China. Chris thanked the efforts of George Lee, W6IOW, for his assistance in obtaining Mr. Margelli. Chris also stated that he is attempting to get a representative from Kenwood for the October meeting. Chris reported for the vacationing treasurer that the club treasury is in fine shape and passed on to Walt the checkbook for the Queen Mary meeting. Secretary John Keller passed out for examination a suggested method for getting more news into the Crosstalk. With a slight reduction we can get about 60% more news into the newsletter. There were no objections to the reduced print and it was decided to try it out this month. Trustee Bob Hume stated that due to the hot, humid weather no progress has been made on the installation of the new antenna. Bob said that as soon as things cool off an antenna party will be organized. Bill Daley reported that the August cutoff date on the 220MHz issue was the last day for the receiving of arguments and that no action has been taken by the FCC yet. Membership Chairman Bill Dews stated that the club presently has 153 members. SEA Representative Bill Ivey reminded the board that the deadline for the Planning Report is the second Monday of October (Oct. 8). Swapmeet Chairman Jim McWilliams and Asst. Swapmeet Chairman Don Resor Jr. expressed continued concern about the problem of dealers and commercial sellers showing up at the Swapmeet. Jim outlined some further ideas to deal with the situation and these will be implemented at the next Swapmeet.

Keep Me At It

God, give me due respect for the abilities You have given me. Don't let me sell them short. Don't let me bury my talents through indecision, cowardice or laziness.

Keep me at it.

Plant in me the necessary determination.

Keep me at it.

House in me the fires of dedication.

Keep me at it.

Give me the energy, strength and the will power to bring Your gifts to their proper fruition.

Keep me at it.

When I falter or fall, lift me up and set me back on my destined path.

Keep me at it.

How to be a Lid on 2 Meters

Always use high power. Those guys on that repeater across the state line aren't interested in your conversation so it shouldn't bother them.

uring bad weather, turn it on and immediately ask, "What's going on?" Don't ever listen to find out. Tell all the details about how the rain has stopped. Talk only of your accomplishments, pet peeves, etc. Never ask the other guy about his interests.

Yawn, cough or sneeze into the mike. Very entertaining. If you release the mike button long enough to yawn, cough or sneeze, someone else may grab the frequency.

Always operate on the same frequency. Those guys on those other repeaters are a bunch of lids. Brag that you can no longer move the frequency knob.

Never use a simplex frequency. Caravan with your friends to the picnic and stay on the repeater even though you are only yards apart. Be indignant when asked to move to simplex.

Always wait until you are in the car on the way home to call the wife on the patch. Try to time it out talking about the day's events even if you are only 10 minutes from home.

Inject some silly comment into someone else's conversation. That's the way you do it on CB. Maybe they'll recognize your voice and invite you to join them this time.

When signing off, try to give the call of every station in the conversation. Fumble around trying to remember them all. That dumb FCC never should have removed that requirement; and besides, it's a "courtesy", right?

Press the mike against your mouth or hold it just under your nose. Be indignant when given an honest report about mouth noises or breathing into the mike.

Use "Q" signals and other CW abbreviations. Very impressive, especially to those listening on scanners during emergency situations. Say "Hi Hi" a lot.

With subjects in mid-sentence. "...DX on 40m meters...the dad-gummed city sure needs to fix this street... etc." The other guy's attention span is probably shorter than yours anyway, right?

Jump right on anyone using the patch without giving the repeater call. Never mind the fact that it's a redundancy no longer required by the FCC. What do those dummies in Washington know about it anyway, right?

When a visitor to the area asks for street directions, always give him all the details in one long transmission. If he can't remember street directions he shouldn't be driving.

When you hear someone you want to talk to, key up and give him a long transmission. Don't wait to be recognized. Include a long, un-asked-for technical explanation if you can. Reset the repeater several times. Be indignant when no one replies.

Use "10-" signals. Better yet, just use the suffixes. "I'm at work 20" Cute, and makes the old-timers mad.

Double or triple transmit. If the other guy doesn't reply immediately, it's a good chance to add something you left out before.

By all means, work "DX" on repeater frequencies. If you can hear those guys out there in Powder Gulch, Texas, they probably can hear you. Be indignant when some innocent keys our local repeater and blocks the "DX" transmissions.

If the suffix of your call spells a word, always say it that way. "This is N 5 CAT" Never spell it out. Everybody, including the FCC, knows how it's spelled.

Intimidate the female operators. If you hear a couple of them exchanging girl-talk, join in. Make fun of their conversation. It's a male hobby, right?

Ignore newcomers on your repeater. If you can't ignore them, intimidate them. Get it across that they'd better join up or get off.

Slur your own call. Say it as fast as you possibly can. Pronounce the letter "W" as "dubby" or just "dub". Leave out the A" in the "KA" prefixes.

Don't slur your own call. Say it very slowly several times. Say it phonetically with long words. "This is Wichita Zero Hippoptamus Cincinnati Philadelphia, Portable Five." Try to time out with your call.

Be a "Repeater Dragon". Always be listening and pop into everyone's conversation on 'your' repeater. Never let two other operators have a conversation without your comments.

Thanks, Collector and Emitter

Let's get rid of Telephone RFI

Herb Gleed, W6FQ

Before the breakup of the Bell System one could call 'Ma' and a service/repairman would come in answer to your RFI complaint. First, he would install the board with the four metal-cased capacitors (Bell PT # 40BA) at the point which your phone line goes under the house. In addition, he would install a plastic box with inductors at the baseboard. This is slightly larger than the usual one that your phone plugs into. (Bell PT # 1542-AM). All of this was without charge. Sorry to say, that is all over.

After much calling of 800 phone numbers I found that the baseboard inductor unit available from Annixter Brothers, Skokie, Illinois, costs \$40! This little jewel consists of only two toroid inductors. Bell quotes the specs as 3.5 millihenries each (max) and a resistance of 15 ohms max.

I borrowed a G-R impedance bridge and started winding toroid coils. The final result was 60 turns of #26 enamel wire on an amidon core, FT 82-43 (90 cents each). This produced 4.0 mH and a resistance of less than an ohm. Two of these were wound and taped together. One was hooked in series with each side of the line as it enters the terminal block inside the model 500 or 2500 Western Electric phone. There is ample space in the phone for this.

Instead of four fancy metal-cased 0.25MF capacitors I used two 0.1MF 600 volt ceramic disc capacitors, with short leads.

Not only is the BC QRM gone, but my 2-KW on 20 meters is absent from the phone also. If you have one of the cheapie one-piece phones it will require coils of higher inductance. For this type of phone I ended up with 115 turns of #28 wire on the same type of core. The inductance measured 16 mH and resistance is less than an ohm. The coils are too large to mount inside this type of phone, so some small, neat plastic box will have to be figured out.

HF Amateur Phone Bands Expand

Effective 0001 UTC, September 1, 1984, these are the new HF Radiotelephone Subbands:

3750 to 3775 KHz Extra Class;
3775 to 3850 KHz Advanced and Extra Class;
3850 to 4000 KHz General, Advanced and Extra Class;
21200 to 21225 KHz Extra Class;
21255 to 21300 KHz Advanced and Extra Class;
21300 to 21450 KHz General, Advanced and Extra
28300 to 29700 KHz General, Advanced and Extra

"Don't alibi," says banker Louis B. Lundborg. "You have all had the experience of having something go wrong and expecting a big hassel about who was to blame - only to have someone speak up and say, 'It was my fault.' Disarming wasn't it? It is hard to get mad at anyone who does that."

NEW MEMBERS - - OLD MEMBERS

Welcome to the Club new member;
John Dailey, W6EGR, who signed on at the last Swapmeet.

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No horse gets anywhere until he is harnessed. No steam or gas ever drives anything until it is confined. No Niagara is ever turned into light and power until it is tunneled. No life ever grows great until it is focused, dedicated, disciplined.

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From the Library

George Lee, W6IOW

What is new in the month of August in:

QST: Basics of VHF design and layout
Effects of real ground on an antenna
Passive RTTY scope adapter
Review of TW 4000A

CQ: Review of Cushcraft A4 Tribander
Review of R71A Receiver
Review of MJF 202B RF Noise Bridge
Loop Antennae
Sky Plane Antenna for 20M

73: Two-Tone Test Oscillator
AMTOR

HR: A 3CX800A7 linear for 10-60M
Improving amplifier ALC Circuits
DXing by computer

What is new in the month of September in:

QST: A 30M GP Antenna
"Log-Prog" A DXer's log in BASIC
Product review of Kantronics Interface II Terminal Unit

CQ: Review of IC-751 Transceiver
Review of KT-34 Beam Antenna

73: Repeater Identifier
RTTY with Timex/Sinclair computer
FSK for IC-730
Watts/SWR meter for VHF/UHF

HR: An audio AGC Circuit
Oscar 10 with an HT
SEED antenna for 80/160M

QRP Listening In case of disaster, do you have a low drain radio to keep in contact with the broadcast stations 24 hours continuously? Mine needs 4.5V @ 5mA for comfortable listening on KNX. How is yours? Let me know if yours is less; I'd like to get one too.

George Lee, W6IOW

Nominations from the Floor

Bill Dews, K6AWD

W6TRW President Walt Pearson has asked me to head up a nomination team again this year. There will be openings on the Executive Board so please step forward. Last year the club had volunteers who asked to run for an office. This is your club and it takes members to run it. The October Crosstalk will list positions available so again please be ready to serve your radio club when called on. I can be reached at X58416 or mail station 135/2266.

A conviction is that splendid quality in ourselves which we call bullheadedness in others.

AMATEUR EXAMINATIONS

WHAT

ARRL/VEC sponsored amateur radio operator examination for initial and upgrade licenses of all classes.

- * Pre-registration not required by applicants for Novice licenses. Simply show up at examination location (W6LS) by noon.
- * Pre-registration is required by applicants for Technician, General, Advanced, and Extra class licenses. This requirement applies for original license and upgrade license applicants.
 - ** Completed FCC Form 610 and \$4 reimbursement fee must be submitted to W6LS at least 30 days prior to scheduled examination date.
 - ** Checks must be made payable to ARRL/VEC. Money orders are acceptable, but please do not send cash, stamps, or other forms of payment.
 - ** Form 610 will be sent to anyone requesting one, who furnishes a self-addressed and stamped envelope. (S.A.S.E.).

WHERE

Lockheed Employees' Recreation Club (LERC) Amateur Radio Club (W6LS)
2814 Empire Avenue, Burbank, California 91504
One block south, and three blocks east of the main entrance to the Burbank Airport.

WHEN

The first Saturday of each month, 9 am to 3 pm. November 3 and December 1, 1984
January 5, February 2, March 2, April 5, 1985, etc.

APPOINTMENTS

Other than Novice applications, each person will be notified of acceptance or rejection of their application. If an application is accepted, the examination appointment time will be stated on a form letter. Provide an S.A.S.E. to receive this notification.

LIMIT

The number of applicants accepted for examinations each session is limited by the space available to conduct these tests. Applications are accepted in the sequence in which they are received.

WHO

Marie Welsh (W6JEP) is the contact person for the W6LS VE Team. She handles W6LS mail daily, except weekends.

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The person wearing a smile is always well dressed.

August Swapmeet Notes

Jim McWilliams, W6RTG

Twenty two raffle tickets were given out to club members that looked me up at the Swapmeet while wearing their club hats and/or I/D badges. And the winner is John Orr, KX6A.

The sellers area was about 50% full by 7am, continuing to fill to about 85% of capacity by 9am. The parking lot that is used for the sellers has over 400 parking spaces. The August Swapmeet supervisors, Darwin Salisbury, K6IGU, and Dale Mooney, WA6DLA, did a fine job of traffic control and general supervision. The tasks of managing the monthly Swapmeet without these club volunteers would be overwhelming. All of the volunteer help that I have received since taking over from Bill Schrecengost, KE6LP has been greatly appreciated.

The weather was very nice and certainly helped make this outdoor gathering a success.

I never cease to be amazed at the variety and unusual types of electronic equipment that appear at these meets. With this in mind, I'm already looking forward to the next Swapmeet. Hope to see you there September 29th!

"T" Hunts

Now "T" Hunts may or may not be your thing but there is a lot of information that passes over the Editor's desk and this is just one item. I have never participated in a "T" hunt so I won't make any judgements one way or another. I will just pass on the information the way I received it.

Mt. Wilson
Every Sunday 1530 hrs.
146.400 input 147.435 output

Fullerton Amateur Radio Club Hunt
Second Saturday on the Month. 2000 hrs. to 2300 hrs.
Frequency 147.495 continuous signal. No beam bearing competition. Start at Skyline Drive and Acacia St. Fullerton and area is approx. a 10 mile radius from the start point. Mileage hunt with time penalty.

Nohl Ranch Hunt.
One Saturday per month opposite Signal Hill Hunt. 1930 hrs to ? Start at top of Nohl Ranch Rd above Hwy 91 and 55. Area approx. 12 mile radius from downtown Fullerton. No beam bearing competition. Frequency 145.565 continuous signal. Mileage hunt.

Signal Hill Hunt (Never Hunted)
Frequency 146.565 Continuous signal. One Saturday per month, opposite Nohl Ranch. 1930 hrs. to ? Start somewhere on Signal Hill Area - Unknown. Mileage hunt. No Beam-bearing competition.

The Granddaddy of All Hunts
"The All Day "T" Hunt"
Frequency 146.565
Start time 1000 hrs. to sometime Sunday; about every 3 months on a Saturday. Start at Palos Verdes at Crenshaw and Crest (the one on the top).
boundaries - anywhere in continental U.S.A. signal must be detectable at P.V.
No beam-bearings.
Monitoring Repeater to be declared at the start of the hunt.

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The best way to show appreciation for a favor is to enjoy it. Don't be in a rush to reciprocate immediately. Let your benefactor enjoy the knowledge that he or she has done you a valuable service for which you are grateful.

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from OVERMODULATION, Pointsettia ARC
SOMETIMES IT'S DIFFICULT TO END A QSO—
We all have our own methods, but here are a few ideas submitted by George, KA6WZR:

The XYL just come in and said last call for dinner or she throws it out. . . hi hi. . . so gess I btr QRT now. . .

There is a thunderstorm heading my way and I don't want to take a lightning strike so will CUL. . .

Just got a phone call from old school buddy I hav not heard fm in 15 years. . .

"L needs me to help her unload car full of groceries so r go es giver a hand. . hi hi. . .

Wow 2 car collision in front of my house and I have to go see if anybody is hurt. . .

Well it's time for my daily meeting with the guys on the 2-meter net. . .

1985 AMATEUR RADIO WALL CALENDAR

Here is a unique opportunity to obtain a large Amateur Radio wall calendar. These 13.5 by 19.5 inch red-white-and-blue calendars feature the words **AMATEUR RADIO** in very large lettering. Nothing else is printed in the top half of these calendars. There is plenty of space where personalized information (such as name, address, and/or telephone number) can be added. There is adequate space in each date block to note operating events and appointments that are of interest to you. Good wall calendars like these are very hard to locate.

We will have these calendars available for purchase and pickup by December. Calendar price is \$3.00 each when picked up at W6LS. The price is \$4.00 each for calendars being mailed to American, Canadian and Mexican addresses. Each calendar comes in a mailing wrapper. If mailing is desired, include a separate address label for each calendar. Checks and money orders should be made payable to the Lockheed Amateur Radio Club, or W6LS. Send mailing labels and full payment to:

Lockheed E.R.C. Amateur Radio Club - W6LS
2814 Empire Avenue
Burbank, California 91504

Tidbits from the Jolly Little S...

I promise to run this item in every Crosstalk until the situation is dealt with. Two of the Quad antennas for Field Day had a high SWR. They still worked OK but think what might have happened if they were well matched. So until they are fixed, I will remind all that the work needs to be done before the next Field Day. Volunteers may contact Gary Komatsu for info. (Ph # on back).

Don Resor Jr., N6KAW, decided to try out the two Bulletin Boards I reported on last month. The Public Message System (213)331-3574 worked just fine but the Palos Verdes System (213)541-2503 would not answer. Sorry about that Don.

And while I am saying I am sorry, a couple of club members who did Olympics duty got left out of last month's column. I got a nice note from Lin Hamilton, NJ6Y, reminding me that he was one of the UCLA Olympic Village Station operators and with the note a copy of the Hughes' publication Update, which had a nice article about Lin and Dick Mannheimer, K6LAE, who was the station manager. Also left out were two family members, Susan (N6IDC) and Walt (N6FVR) Stockwell, who participated in the communications for the Yachting events in Long Beach. If anybody has an Olympics related story that they would like to see printed, just let me know and I'll get it into the Crosstalk.

OK, all you Novices, Techs and anyone looking to upgrade your license and in order to do so need to upgrade your code speed - - Read this next line over and over again until it is committed to memory.

W6QIE sends 5 to 30 wpm Code Practice on 3590 from 8 to 9:30(PDT) every night except Monday.

For those of you who think your eyesight has taken a turn for the worse, not to worry. In order to pack even more tidbits of information into the Crosstalk and control costs by keeping it to three double-sided pages, we have performed a bit of word processing and Xerographic wizardry and put more words across and more lines down the page and then reduced it to fit on the 8.5 by 11 inch piece of paper. Hopefully the print quality will remain legible and still allow us to get a little more for the same price. If you have any comments - pro or con - I would love to hear them. Just give me a ring on X55485 and ask for John Keller.

A secret: Something you tell everyone not to tell anyone else.